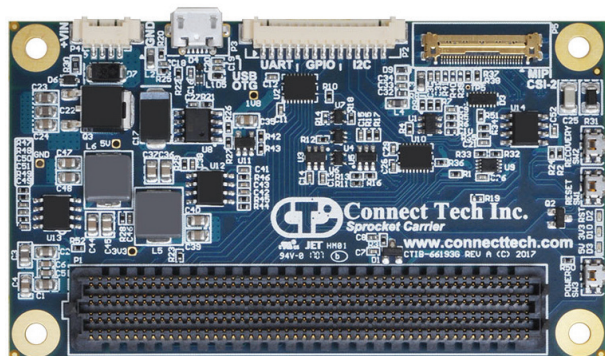


Sprocket is the smallest and lowest profile carrier board possible for the Jetson TX2 or TX2i module.

The Sprocket carrier and module stack can be mounted flat in the smallest of spaces - perfect for space constrained payloads such as that of a drone.



Single-sided assembly with all components fitting “under” the module - for slimest design possible in Z-axis.

## FEATURES

- ✓ Extremely Small Size: 87mm x 50mm
- ✓ Extended Temperature Range: -40°C to +85°C
- ✓ 1x USB OTG, 1 x4 lane MIPI CSI-2, 2x 3.3V UART, I2C, 4x GPIO
- ✓ +12V to +16V DC Input Range

## SPECIFICATIONS

|                                    |                                                                        |
|------------------------------------|------------------------------------------------------------------------|
| Compatibility                      | NVIDIA Jetson TX2, NVIDIA Jetson TX2i                                  |
| Dimensions                         | 87mm x 50mm (3.425" x 1.968")                                          |
| Video Input                        | 1 x MIPI CSI-2 Input<br>x4 or x2 lane configuration (30-pin connector) |
| USB                                | 1 x USB OTG (Micro-AB)                                                 |
| UART                               | 2 x 3.3V from TX2/TX2i UART0 and UART1                                 |
| I2C                                | 2 x I2C Ports @ 3.3V IO<br>Pico-blade SMT RA or other                  |
| GPIO                               | 4 bits of 3.3V (level shifted GPIO)                                    |
| LEDs                               | PWR/RESET LEDs                                                         |
| Input Power                        | +12V to +16V DC Input Range                                            |
| Buttons                            | Power, Reset, Recovery                                                 |
| Weight                             | 28g (0.060 lbs/1.0oz)                                                  |
| Environmental Compliances          | RoHS                                                                   |
| Operating Temperature <sup>1</sup> | -40°C to +85°C (-40°F to +185°F)                                       |

[1] The Jetson TX2 Module is rated for -25°C to +80°C (measured at thermal heat plate)



Shown with Jetson TX1 module